

Kevin M. Farrell

Suite 350

United States Patent and Trademark Office

UNITED STATES DEPARTMENT OF COMMERCE United States Patent and Trademark Office Address: COMMISSIONER FOR PATENTS Dos 1450 Alexandria, Virginia 22313-1450 www.uspto.gov

APPLICATION NUMBER FILING OR 371 (c) DATE

FIRST NAMED APPLICANT

ATTORNEY DOCKET NUMBER

10/681,389

One New Hampshire Avenue

Portsmouth, NH 03801

10/07/2003

John H. Kenten

IGN-2005US02

CONFIRMATION NO. 7446

FORMALITIES LETTER

OC000000011719755

Date Mailed: 01/20/2004

NOTICE TO COMPLY WITH REQUIREMENTS FOR PATENT APPLICATIONS CONTAINING NUCLEOTIDE SEQUENCE AND/OR AMINO ACID SEQUENCE **DISCLOSURES**

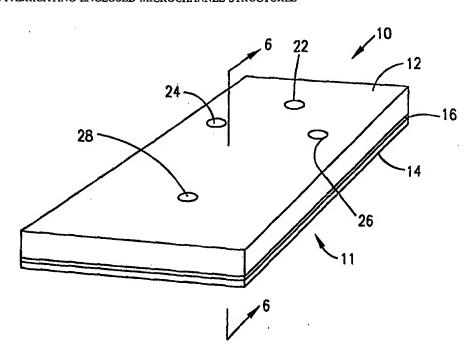
Filing Date Granted

Applicant is given TWO MONTHS FROM THE DATE OF THIS NOTICE within which to file the items indicated below to avoid abandonment. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

(54) Title: METHODS FOR FABRICATING ENCLOSED MICROCHANNEL STRUCTURES

(57) Abstract

Methods are provided for the fabrication of polymeric microchannel structures having enclosed microchannels of capillary dimension. The microchannel structures are constructed of a base member (12) and a cover member (14), sealed together. A microchannel structure having walls of a plastic material is formed in a generally planar surface of at least the base member. The cover member has at least one generally planar surface, and the microchannel structure is enclosed by bonding the planar surfaces of the cover member and the base member together. In some embodiments the surfaces of the cover member and base member are both of plastic material, and are



directly thermally bonded. In some embodiments a bonding material is applied to one of the surfaces prior to bringing the surfaces together. Suitable bonding material are disclosed.

FOR THE PURPOSES OF INFORMATION ONLY

Codes used to identify States party to the PCT on the front pages of pamphlets publishing international applications under the PCT.

1	AL	Albania	ES	Spain	LS	Lesotho	SI	Slovenia
I	AM	Armenia	FI	Finland	LT	Lithuania	SK	Slovakia
١	AT	Austria	FR	France	ĹÜ	Luxembourg	SN	Senegal
ı	AU	Australia	GA	Gabon	LV	Latvia	SZ	Swaziland
١	AZ.	Azerbaijan	GB	United Kingdom	MC	Monaco	TD	Chad
ı	BA	Bosnia and Herzegovina	GE	Georgia	MD	Republic of Moldova	TG	Togo
Į	BB	Barbados	GH	Ghana	MG	Madagascar	TJ	Tajikistan
l	BE	Belgium	GN	Guinea	MK	The former Yugoslav	TM	Turkmenistan
ı	BF	Burkina Faso	GR	Greece		Republic of Macedonia	TR	Turkey
١	BG	Bulgaria	HU	Hungary	ML	Mali	TT	Trinidad and Tobago
l	BJ	Benin	IE	Ireland	MN	Mongolia	UA	Ukraine
l	BR	Brazil	IL	Israel	MR	Mauritania	UG	Uganda
ı	BY	Belarus	IS	Iceland	MW	Malawi	US	United States of America
ĺ	CA	Canada	IT	Italy	MX	Mexico	UZ	Uzbekistan
١	CF	Central African Republic	JP	Japan	NE	Niger	VN	Viet Nam
ł	CG	Congo	KE	Kenya	NL	Netherlands	YU	Yugoslavia
ł	CH	Switzerland	KG	Kyrgyzstan	NO	Norway	ZW	Zimbabwe
ł	CI	Côte d'Ivoire	KP	Democratic People's	NZ	New Zealand		
l	CM	Cameroon		Republic of Korea	PL	Poland		
l	CN	China	KR	Republic of Korea	PT	Portugal		
ı	CU	Cuba	KZ	Kazakstan	RO	Romania		
ł	CZ	Czech Republic	LC	Saint Lucia	RU	Russian Federation		
l	DE	Germany	LI	Liechtenstein	SD	Sudan		
l	DK	Denmark	LK	Sri Lanka	SE	Sweden		
ŧ	EE	Estonia	LR	Liberia	SG	Singapore		